

IN THE CLAIMS

Please elect Embodiment 1, Fig.1 without prejudice.

Please cancel Claims 19-39 without prejudice.

1. (Original) A portable electronic device (10, 50)

comprising:

means for receiving a rechargeable battery (11);

means (12, 16) for receiving compatibility data, over a wireless communication link (14, 15), from a remotely located battery charger (20, 30); and

means for using said compatibility data to detect the presence of a battery charger (20, 30) compatible with the portable electronic device.

2. (Original) The device of claim 1 in which the means (12, 16) for receiving compatibility data comprises a short range wireless device (12).

3. (Original) The device of claim 2 in which the short range wireless device (12) comprises one of a Bluetooth module, an IEEE 802.11 module, or an infra red module, adapted to

communicate with an active wireless module (22) in the charger (20).

4. (Original) The device of claim 2 in which the means (52, 16) for receiving compatibility data comprises an RFID transceiver, adapted to communicate with a passive wireless device in the charger (42).

5. (Original) The device of claim 1 further including an alert device (16, 17, 19) for alerting the user of the existence of a detected battery charger.

6. (Original) The device of claim 5 in which the alert device (16, 19) is adapted to generate an audible output.

7. (Original) The device of claim 5 in which the alert device (16, 17) is adapted to generate a visual output.

8. (Original) The device of claim 5 in which the alert device is adapted to generate a vibration output.

9. (Original) The device of claim 1 further including a rechargeable battery (11).

10. (Original) The device of claim 9 in which the alert device (16) is inhibited when the charge level of the battery (11) of the portable electronic device is greater than a predetermined amount.

11. (Original) The device of claim 9 in which the means (12, 16) for receiving compatibility data is inhibited when the charge level of the battery (11) of the portable electronic device is greater than a predetermined amount.

12. (Original) The device of claim 1 in which the means (12, 16) for receiving compatibility data operates intermittently.

13. (Original) The device of claim 1 in which the means (12, 16) for receiving compatibility data operates only in response to a transmission from a compatible remotely located battery charger (20, 30).

14. (Original) The device of claim 1 in which the compatibility data includes a predetermined code sequence indicating compatibility between the charger and the portable electronic device.

15. (Original) The device of claim 1 or claim 9 in which the compatibility data includes one or more charge parameter including: battery capacity, battery chemistry, charging voltage and/or current, charging pattern, interconnection configuration, manufacturer, current status, charge time remaining to availability, charge tariff, charger location.

16. (Original) The device of claim 1 in which the portable electronic device (10, 50) is any one of a mobile telephone, a personal digital assistant, a digital camera, a notebook computer system, a personal audio device, a personal video device or a hybrid of any one or more of the above with any other electronic device.

17. (Original) The device of claim 5 in which the alert device is adapted to notify the user of the existence of a detected battery charger only upon the existence of further predetermined conditions.

18. (Original) The device of claim 17 in which the further predetermined conditions comprise detecting the presence of the charger for an extended period of time.

Claims 19-39. (Cancelled)